Figure 1.

ATGAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAAT
TAGATGGCGATGTTAATGGGCAAAAATTCTCTGTCAGTGGAGAGGGTGAAG
GTGATGCAACATACGGAAAACTTACCCTTAAATTTATTTGCACTACTGGGAA
GCTACCTGTTCCATGGCCAACACTTGTCACTACTTTCGCGTATGGTCTTCAAT
GCTTTGCGAGATACCCAGATCATATGAAACAGCATGACTTTTTCAAGAGTGC
CATGCCCGAAGGTTATGTACAGGAAAGAACTATATTTTACAAAGATGACGG
GAACTACAAGACACGTGCTGAAGTCAAGTTTGAAGGTGATACCCTTGTTAAT
AGAATCGAGTTAAAAGGTATTGATTTTAAAGAAGATGGAAACATTCTTGGAC
ACAAAATGGAATACAACTATAACTCACATAATGTATACATCATGGCAGACA
AACCAAAGAATGGAATCAAAGTTAACTTCAAAATTAGACACAACATTAAAG
ATGGAAGCGTTCAATTAGCAGACCATTATCAACAAAATACTCCAATTGGCGA
TGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCCACACAATCTGCCCTTT
CCAAAGATCCCAACGAAAAGAGAGATCACATGATCCTTCTTGAGTTTGTAAC
AGCTGCTGGGATTACACATGGCATGGATGAACTATACAAATAA

Figure 2.

ATGTTTGAACCAATGGAACTTACCAATGACGCGGTGATTAAAGTCATCGGCG
TCGGCGGCGGCGGCGGTAATGCTGTTGAACACATGGTGCGCGAGCGCATTG
AAGGTGTTGAATTCTTCGCGGTAAATACCGATGCACAAGCGCTGCGTAAAAC
AGCGGTTGGACAGACGATTCAAATCGGTAGCGGTATCACCAAAGGACTGGG
CGCTGGCGCTAATCCAGAAGTTGGCCGCAATGCGGCTGATGAGGATCGCGA
TGCATTGCGTGCGGCGCTGGAAGGTGCAGACATGGTCTTTATTGCTGCGGGT
ATGGGTGGTGGTACCGGTACAGGTGCGGCACCAGTCGTCGCTGAAGTGGCA
AAAGATTTGGGTATCCTGACCGTTGCTGTCGTCACTAAGCCTTTCAACTTTGA
AGGCAAGAAGCGTATGGCATTCGCGGAGCAGGGGATCACTGAACTGTCCAA
GCATGTGAACTCTCTGATCACTATCCCGAACGACAAACTGCTGAAAGTTCTG
GGCCGCGGTATCTCCCTGCTGGATGCGTTTGGCGCAGCGAACGATGTACTGA
AAGGCGCTGTGCAAGGTATCGCTGAACTGATTACTCGTCCGGGTTTGATGAA
CGTGGACTTTGCAGACGTACGCACCGTAATGTCTGAGATGGGCCACGCAATG
ATGGGTTCTGGCGTGGCGAGCGGTGAAGACCGTGCGGAAGAAGCTGCTGAA
ATGGCTATCTCTTCTCCGCTGCTGGAAGATATCGACCTGTCTGGCGCGCGCG
GCGTGCTGGTTAACATCACGGCGGGCTTCGACCTGCGTCTGGATGAGTTCGA
AACGGTAGGTAACACCATCCGTGCATTTGCTTCCGACAACGCGACTGTGGTT
ATCGGTACTTCTCTTGACCCGGATATGAATGACGAGCTGCGCGTAACCGTTG
TTGCGACAGGTATCGGCATGGACAAACGTCCTGAAATCACTCTGGTGACCAA
TAAGCAGGTTCAGCAGCCAGTGATGGATCGCTACCAGCAGCATGGGATGGC
TCCGCTGACCCAAGAGCAGAAGCCGGTTGCTAAAGTCGTGAATGACAATGC
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AAGCAAGCTGATTAA

Figure 3.

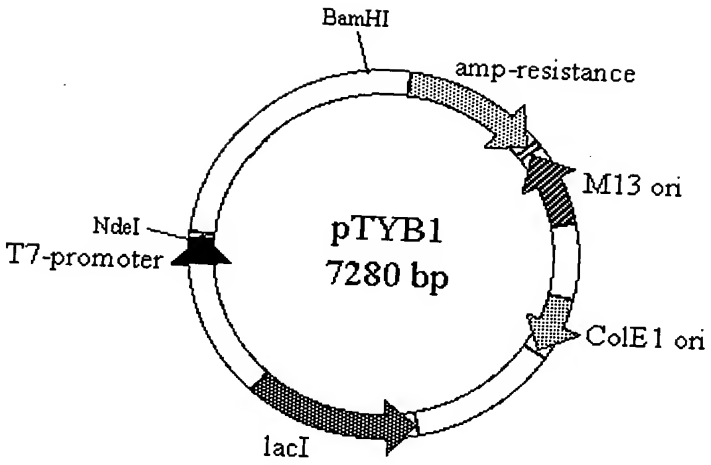
BamHI
amp-resistance
M13 ori
NdeI
T7-promoter
pTYB1
7280 bp
ColE1 ori
lacI

Figure 4.

CGGTTTAAACCGGGGATCTCGATCCCGCGAAATTAATACGACTCACTATAG
← vector T7-promoter

GGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTT

AAGAAGGAGATATACAT**ATG** ← ftsZ gene → GATCTAGAAGTACTATTTCAA
RBS NdeI-site/ **start** linker-sequence (Leu-Glu-Val-Leu-

GGGCCCATG ← GFP-gene → **TAA**GGATCCGGCTGCTAACAAAGCCCGAAAG
Phe-Gln-Gly-Pro) **stop**/BamHI-site

GAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAA**CTAGCATAACCCCTT**

GGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTGCTGAAAGGAGGAACTAT
T7 transcription terminator vector →

Figure 5.

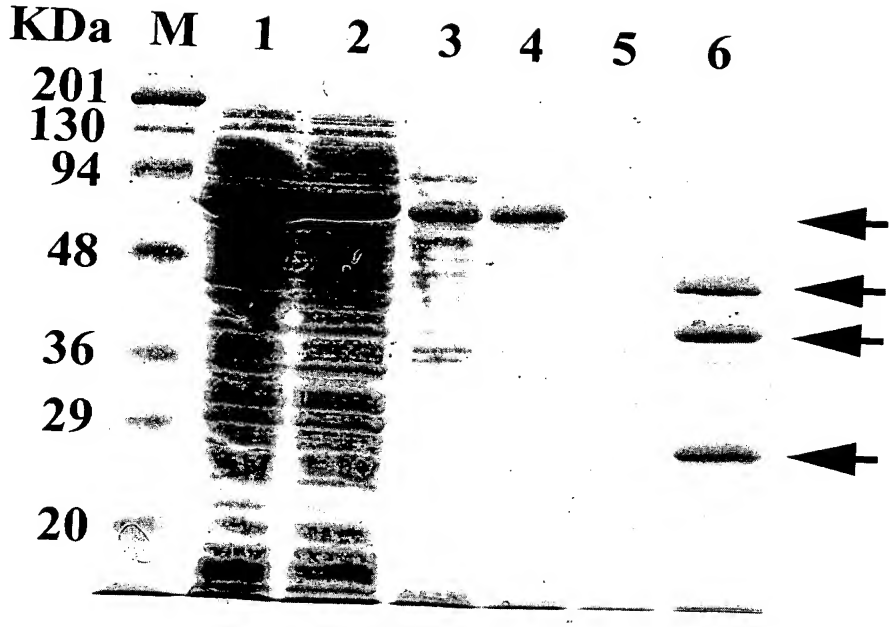

Figure 6.

GGACCAAACACAGAATTTGCACTATCCCTGTTAAGGAAAAACATAATGACT

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GAAAATTAGAGTTAAGGATAAGTACAAATTAGTAGATCCAGAGAACATTAA

TCTAGAGCTTACAGTGTTGACTTTAGATAGAAATGAAAAATTCAGAGATATC

AGGGGATTTATATCAGAAGATCTAGAAGGTGTGGATGCCACTTTGGTAGTAC

ATTCAAATAACTTTACCAACACTATCTTAGAAGTTGGCCCTGTAACAATGGC

AGGACTTATTAATTTGAGTAGCACCCCCACTAACAGAATGATTCGTTATGAT

TATGCAACAAAAACTGGGCAGTGTGGAGGTGTGCTGTGTGCTACTGGTAAG

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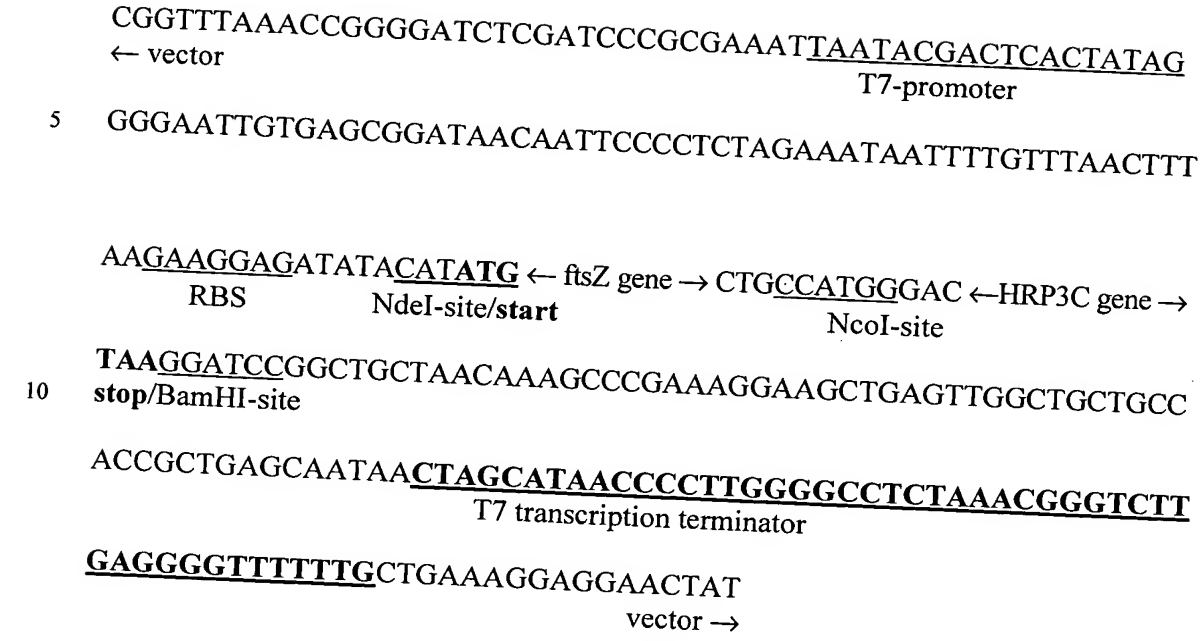
TTAAAAAACAATATTTTGTAGAGAAACAA

Figure 7.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← vector
T7-promoter
GGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTT
AAGAAGGAGATATACATATG ← ftsZ gene → CTGCCATGGGAC ←HRP3C gene →
RBS
NdeI-site/start
NcoI-site
TAAGGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCC
stop/BamHI-site
ACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTT
T7 transcription terminator
GAGGGGTTTTTTGCTGAAAGGAGGAACTAT
vector →

Figure 8.

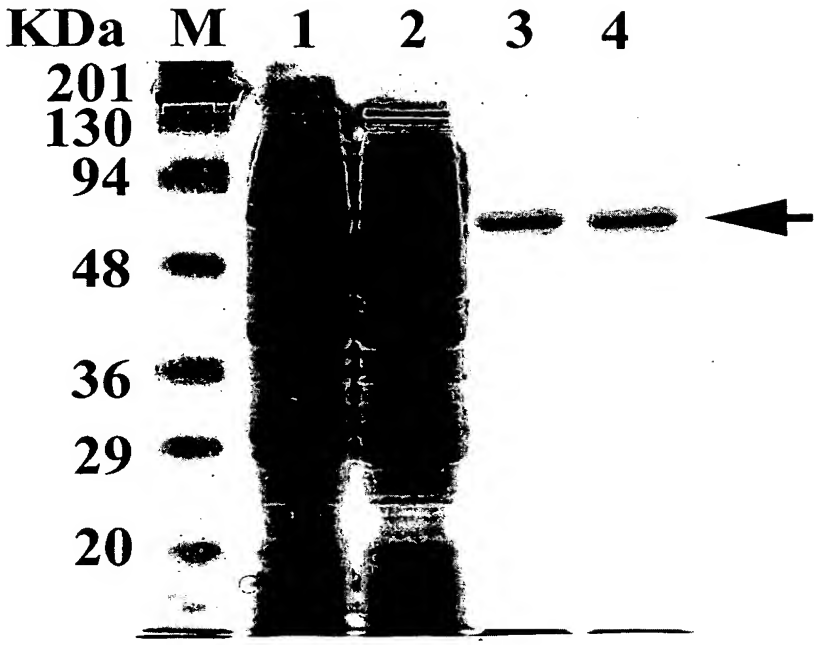

Figure 9.